

AMENDMENTS TO THE CLAIMS

Claims 1-34 (Canceled)

Claim 35 (Currently Amended): A quartz silica glass crucible, comprising a crucible main body comprising silica glass and having an inside surface and an outside surface, and wherein

a quartz silica glass powder layer is formed on the whole or in a ring configuration on the outside surface of the crucible main body, and/or in a ring configuration on a part an upper end portion of the inside surface being not contacted with a molten silicon of the crucible main body.

Claim 36 (Currently Amended): The quartz silica glass crucible of claim Claim 35, wherein

silica glass powder of the silica glass powder layer on the whole or in the ring configuration on the outside surface of the crucible, and/or in the ring configuration on a part of the inside surface being not contacted with a molten silicon comprises fine silica particles and coarse silica particles, wherein

the fine silica glass particles constitute more than 20 weight % of all the silica glass powder are the fine silica particles having smaller and have particle size smaller than 10  $\mu\text{m}$ , and remaining powder are

the coarse silica glass particles having less constitute the remaining silica glass powder and have particle size smaller than 150  $\mu\text{m}$ .

Claim 37 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer is formed on the whole of the outside surface of the crucible main body.

Claim 38 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer is formed in a ring configuration on the outside surface of the crucible main body, and the silica glass of the crucible main body is exposed on a bottom portion of the outside surface.

Claim 39 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer is formed in a ring configuration on the upper end portion of the outside surface of the crucible main body, and the silica glass of the crucible main body is exposed on a bottom portion of the inside surface.

Claim 40 (New): The silica glass crucible of Claim 38, wherein the silica glass powder layer is further formed in a ring configuration on the upper end portion of the inside surface of the crucible main body, and the silica glass of the crucible main body is exposed on a bottom portion of the inside surface.

Claim 41 (New): The silica glass crucible of Claim 39, wherein the silica glass powder layer is further formed in a ring configuration on the upper end portion of the inside surface of the crucible main body, and the silica glass of the crucible main body is exposed on a bottom portion of the inside surface.

Claim 42 (New): The silica glass crucible of Claim 36, wherein the particle sizes of the coarse silica glass particles are not smaller than 10  $\mu\text{m}$ .

Claim 43 (New): The silica glass crucible of Claim 36, wherein the silica glass powder has a particle size distribution that enables to control shrinkage percentage of the silica glass powder layer to be less than 10% at a time of sintering the powder layer.

Claim 44 (New): The silica glass crucible of Claim 35, wherein a density of a silica glass in the silica glass powder layer is more than 1 mg/cm<sup>2</sup>.

Claim 45 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer has a thickness larger than 0.1 mm.

Claim 46 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer comprises synthetic silica glass powder.

Claim 47 (New): The silica glass crucible of Claim 46, wherein the synthetic silica glass powder has an alkaline metal concentration of less than 1 ppm.

Claim 48 (New): The silica glass crucible of Claim 35, wherein the silica glass powder layer further comprises binder comprising an organic substance.